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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIDMATION
10/634,607	08/05/2003	Tomoki Nobuta	NECW 20.531	CONFIRMATION NO.
	7590 11/26/2004		EXAMINER	
KATTEN MUCHIN ZAVIS ROSENMAN 575 MADISON AVENUE			AUSTIN, MELISSA J	
NEW YORK,			ART UNIT	PAPER NUMBER
		·	1745	
			DATE MAILED: 11/26/2004	İ.

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	19
Office Action Summary	10/634,607	NOBUTA ET AL.	1,
- Carminary	Examiner	Art Unit	
The MAILING DATE of this communication	Melissa Austin	1745	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet wi	th the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a re within the statutory minimum of thirty will apply and will expire SIX (6) MON	eply be timely filed (30) days will be considered timely.	ation.
Status			
1) Responsive to communication(s) filed on 25 Oc	Stohor 2004		
	action is non-final.		
3) Since this application is in condition for allowant closed in accordance with the practice under 5	Ce except for formal matter	re proposition - 1 "	_
closed in accordance with the practice under Ex	x parte Quavle. 1935 C.D.	15, prosecution as to the merits	s is
Disposition of Claims	, , , , , , , , , , , , , , , , , , , ,	77, 100 0.0. 210.	
4) Claim(s) <u>1-14</u> is/are pending in the application.			
4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed.	n from consideration.		
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) <u>1-14</u> are subject to restriction and/or ele	ection requirement		
Application Papers	,		
9) The specification is objected to by the Examiner.			
10) The drawing(s) filed on is/are: a) accep	ated or h) abiasta day		
Applicant may not request that any objection to the dra	awing(s) he hold in above	the Examiner.	
Replacement drawing sheet(s) including the correction	n is required if the drawing(s)	. See 37 CFR 1.85(a).	
11) The oath or declaration is objected to by the Exar	niner. Note the attached C	oblice Action or form DTC 475	(d).
Priority under 35 U.S.C. § 119	and attached C	The Action of form PTO-152.	
12) Acknowledgment is made of a claim for foreign pr a) All b) Some * c) None of:	iority under 35 U.S.C. § 1	19(a)-(d) or (f).	
7 <u>—</u> 110116 01.			
and sopies of the priority documents in	lave been received.		
2. Certified copies of the priority documents h3. Copies of the certified copies of the priority	documents bever to	ication No	ĺ
3. Copies of the certified copies of the priority application from the International Bureau (F	CT Rule 17 2/2/\	ceived in this National Stage	
* See the attached detailed Office action for a list of t	the certified copies not rec	eived	
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ttachment(s)			
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Notice of References Cited (PTO-892)	4) D 14		1
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	4) Interview Sumr Pàper No(s)/Ma	nary (PTO-413) nil Date nal Patent Application (PTO-152)	

DETAILED ACTION

Election/Restrictions

In telephonic communication on 23 November, 2004, Examiner declared the election of imidazole and its derivatives (25 October, 2004) has been considered incomplete because, as such, a sub-genus was elected, not a single disclosed species. Attorney Markowitz, asserted that the previous Restriction Requirement (24 September, 2004) was not clear as to the extent of the election. This is a supplemental Restriction Requirement in order to clarify miscommunication resulting from the previous Restriction Requirement.

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-13, drawn to electrode for electrochemical cell, classified in class 429, subclass 209.
 - II. Claim 14, drawn to capacitor, classified in class 361, subclass 502.

Inventions I and II are related as mutually exclusive species in an intermediate-final product relationship. Distinctness is proven for claims in this relationship if the intermediate product is useful to make other than the final product (MPEP § 806.04(b), 3rd paragraph), and the species are patentably distinct (MPEP § 806.04(h)). In the instant case, the intermediate product is deemed to be useful as an electrode for in primary battery, secondary battery, or fuel cell and the inventions are deemed patentably distinct since there is nothing on this record to show them to be obvious variants. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions anticipated by the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

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2. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated

is proper.

Because these inventions are distinct for the reasons given above and the search required for

Group I is not required for Group II, restriction for examination purposes as indicated is proper.

Should applicant elect Invention I, election of species must be made.

5. This application contains claims directed to the following patentably distinct species of the

claimed invention: a nitrogen-containing heterocyclic compound and a polymer having a unit containing a

nitrogen-containing heterocyclic moiety.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on

the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species

that is elected consonant with this requirement, and a listing of all claims readable thereon, including any

claims subsequently added. An argument that a claim is allowable or that all claims are generic is

considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to

additional species which are written in dependent form or otherwise include all the limitations of an

allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant

must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant

should submit evidence or identify such evidence now of record showing the species to be obvious

variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of

the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection

under 35 U.S.C. 103(a) of the other invention.

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6. Should applicant elect the nitrogen-containing heterocyclic compound species in claim 1, further

election of species is required.

7. Claim 4 is generic to a plurality of disclosed patentably distinct species comprising imidazole,

triazole, pyrazole, benzimidazole, and their derivatives as defined in claim 5. Applicant is required under

35 U.S.C. 121 to elect a single disclosed species from the group of species presented in claim 5, even

though this requirement is traversed. A single disclosed species is one in which the specific compound is

defined, that is, the nitrogen-containing heterocyclic compound and the pendant R groups of the

derivative are specified as part of the election.

Should applicant traverse on the ground that the species are not patentably distinct, applicant

should submit evidence or identify such evidence now of record showing the species to be obvious

variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of

the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection

under 35 U.S.C. 103(a) of the other invention.

8. Should applicant elect the polymer species in claim 1, further election of species is required.

9. Claim 6 is generic to a plurality of disclosed patentably distinct species comprising polymer

containing benzimidazole moiety, benzbisimidazole moiety, imidazole moiety. Applicant is required under

35 U.S.C. 121 to elect a single disclosed species, even though this requirement is traversed.

Should applicant traverse on the ground that the species are not patentably distinct, applicant

should submit evidence or identify such evidence now of record showing the species to be obvious

variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of

the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection

under 35 U.S.C. 103(a) of the other invention.

10. Claim 7 is generic to a plurality of disclosed patentably distinct species comprising

polybenzimidazole, polyvinylimidazole. Applicant is required under 35 U.S.C. 121 to elect a single

disclosed species from the group of species presented in claim 7, even though this requirement is

traversed.

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Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

- 11. Applicant is required under 35 U.S.C.§ 121 to elect a single ultimate disclosed specie for each of the above genera for prosecution on the merits to which claims shall be restricted if no generic claim is finally held allowable. Where specific species are not identified in the claims, Applicant should elect a specific specie from the Specification. An alternative method of election is to identify an Example which collectively exemplifies the elected species. (For example, Example 6 adds 2-phenylimidazole)
- 12. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 13. In order to completely respond to this Restriction Requirement, applicant must reconfirm the previous election of Group I, claims 1-13, and the nitrogen-containing heterocyclic compound in claim 1. Additionally, applicant must elect a *specific single disclosed specie* in claim 5; that is, the election must be to a *specific derivative* (R group specified) of one of imidazole, triazole, pyrazole, or benzimidazole. Dependent claims drawn to the non-elected specie of claim 1 (the polymer being the non-elected specie of the previous response to the Restricition Requirement) should be withdrawn until such a time when and if the polymer species is examined.

Any inquiry concerning this communication or earlier communications from the examiner should 14. be directed to Melissa Austin whose telephone number is (571) 272-1247. The examiner can normally be

reached on Monday - Friday, 7:15 AM - 4:15 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mja

Melissa Austin Patent Examiner Art Unit 1745

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